REFERENCES

[1] Azeddine Chaiba, R.Abdessemed, M.L.Bendaas, "A Torque Tracking Control Algorithm For Doubly–Fed Induction Generator,"Journal of Electrical Engineering, vol. 59, no. 3, pp.165-168, 2008.

[2] Anca D. Hansen, Florin Iov, PoulSørensen, FredeBlaabjerg, "Overall Control Strategy of Variable Speed Doubly-Fed Induction Generator Wind Turbine," Nordic Wind Power Conference, pp. 1-7, 1-2 March, 2004.

[3] A.A. Sattar, M.I. Marei and A.O. Badr, "Back-to-Back Converters with Doubly Fed Induction Generators for Wind Energy Scheme,"IEEE, pp.114–119, 2010.

[4] Alfeu J. SguareziFilho and Ernesto Ruppert,"Modeling and Designing a Deadbeat Power Control for Doubly-Fed Induction Generator," Wind Energy Management, pp. 113-128.

[5] Alfeu J. SguareziFilho& Ernesto Ruppert, "A Direct Power Controller for Doubly-Fed Induction Generator,"International Conference on Renewable Energies and Power Quality, 23-25th March, 2010.

[6] BranislavDosijanoski, "Simulation of Doubly-Fed Induction generator in a Wind Turbine," XI International PhD Workshop OWD 2009, 17–20 October 2009

[7] BSeyedHosseinHosseini, Mohammad B.B. Sharifian, FarhadShahnia,"Dynamic Performance of Double Fed Induction Generator for Wind Turbines," pp. 1261-1266.

[8] B. B. Pimple, V. Y. Vekhande and B. G. Fernandes,"New Direct Torque Control of DFIG under Balanced and Unbalanced Grid Voltage", TENCON-2010, pp.2154-2158, IEEE-2010.

[9] Carlos J. Ramos Antonio P. Martins Armando S. Araujo Adriano S. Carvalho, "Current Control in the Grid Connection of the Double-Output Induction Generator Linked to a Variable Speed Wind Turbine," pp7803-7474, 2002 IEEE Explore.

[10] Chen Z, Mccormick M, "A fuzzy logic controlled powerelectronic system for variable speed wind energy conversion systems," IEEETransactions on Power Electronics, 475:114–119,2000.

[11]Chedid R, Mrad F,"Intelligent control of a class of windenergy conversion systems," IEEE Transactions on Energy Conversion, 14:1597–1604,1999.

[12] C. Belfedal, S.Moreau, G.Champenois, T.Allaoui, M.Denai, "Comparison of PI and Direct Power Control with SVM of Doubly Fed Induction Generator,"Journal of Electrical & Electronics Engineering, vol.8, no.2, pp.633–641, 2008.

[13] Driss Saidani , Othman Hasnaoui and RachidDhifaoui, "Control of Double Fed Induction Generator for Wind Conversion System," International Journal of Sciences and Techniques of Automatic Control&Computer Engineering, vol.2, no.2, pp.710-721, December.2008.

[14]D.Aouzellag, K.Ghedamsil, E.M.Berkouk,"Network Power Flow Control of Variable Speed Wind Turbine," IEEE POWERENG, pp.435-439, April 12-14, 2007.

[15] DomenicoCasadei, Giovanni Serra, &Angelo Tani, "The Use of Matrix Converters in Direct Torque Control of Induction Machines," IEEE Transactions on Industrial Electronics, vol. 48, no. 6, December 2001

[16] E. Muljadi, C.P. Butterfield, B. Parsons, A. Ellis, "Characteristics Of Variable Speed Wind Turbines Under Normal And Fault Conditions," in National Renewable Energy Laboratory, pp.1-7, Feb-2007.

[17] EvgenijeAdzic, ZoranIvanovic, Milan Adzic, Vladimir Katic, "Maximum Power Search in Wind Turbine Based on Fuzzy Logic Control," ActaPolytechnicaHungarica, Vol. 6, No. 1, pp. 131-149, 2009.

[18] Etienne Tremblay, Sergio Atayde, and Ambrish Chandra, "Comparative Study of Control Strategies for the Doubly Fed Induction Generator in Wind Energy Conversion Systems: A DSP-Based Implementation Approach," IEEE Transactions on Sustainable Energy, vol. 2, no. 3, pp.288-299,July 2011.

[19] Graham Pannell, David Atkinson, Ruth Kemsley, Lee Holdsworth, Phil Taylor, Oscar Moja, "DFIG Control Performance Under Fault Conditions For Offshore Wind Applications," 18th International Conference on Electricity Distribution, June-2005.

[20] G. D. Marques, "Analysis of a dq Stator Flux Stabilization Method for the Doubly-Fed Induction Generator,"IEEE, pp. 2475-2480, 2008.

[21] Guofeng Yuan, Jianyun Chai, Yongdong Li, "Vector Control and Synchronization of Doubly Fed Induction Wind Generator system," pp.886-890.

[22] GUO Xiao-Ming, Sun Dan, He Ben-Teng, Huang Ling-Ling, "Direct Power Control for Wind-Turbine Driven Doubly-Fed Induction Generator with Constant Switch Frequency," Proc. International Conference on Electrical Machines and Systems.pp.253–258, October. 8-11, 2007.

[23] H. Karimi-Davijani, A. Sheikholeslami, H. Livani and M. Karimi-Davijani, "Fuzzy Logic Control of Doubly Fed Induction Generator Wind Turbine," World Applied Sciences Journal 6 (4), pp. 499-508, 2009

[24] Joris Soens, Vu Van Thong, Johan Driesen, Ronnie Belmans, "Modeling wind turbine generators for power system simulations," European Wind Energy Conference EWEC, Madrid, 16 – 19, June 2003

[25] Jamal A. Baroudi, VenkataDinavahi, Andrew M. Knight, "A review of power converter topologies for wind generators," Renewable Energy, pp.1-17, 2007.

[26] Jianzhong Zhang and Ming Cheng, "DC Link Voltage Control Strategy of Grid-connected Wind Power Generation System," EEE International Symposium on Power Electronics for Distributed Generation Systems pp.970-975, 2010.

[27] Jeferson Marques and HumbertoPinheiro, "Dynamic Behavior of the Doubly-Fed Induction Generator in Stator Flux Vector Reference Frame," IEEE, pp. 2104-2110, 2005.

[28] Jiefeng Hu, Jianguo Zhu, Yongchang Zhang, Glenn Platt,David G. Dorrell, and Qishuang Ma, "Predictive Direct Control of Doubly Fed Induction Generator for Grid Synchronization in Wind Power Generation," pp. 2381–2388,IEEE-2011

[29] K. Lima, A. Luna, P. Rodriguez, E.Watanabe, R. Teodorescu and F. Blaabjerg, "Doubly-Fed Induction Generator Control Under Voltage Sags," IEEE Energy 2030, 17-18 November, 2008.

[30] Kanungo Barada Mohanty, "Performance Improvement of Wind Turbine Driven Induction Generator System," IEEE Xplore , 2007

[31] K. Kaur ,Dr.S.Chowdhury ,Dr.S.P.Chowdhury , K.B.Mohanty , A.Domijan," Fuzzy logic based control of variable speed induction Machine wind generation system," IEEE 2008.

[32] Kyoungsoo Ro and Han-ho Choi, "Application of neural network controller for maximum power extraction of a grid-connected wind turbine system," Electrical Engineering, pp.45–53, 2005.

[33]Kyoungsoo Ro,Han-ho Choi, "Application of neural network controller for maximum power extraction of a grid-connected wind turbine system," Electrical Engineering (2005) 88: 45–53. DOI 10.1007/s00202-004-0254-2.

[34] Lucy Y. Pao and Kathryn E. Johnson, "A Tutorial on the Dynamics and Control of Wind Turbines and Wind Farms," IEEE Transcations on Sustainable Energy, vol. 2, no. 3, pp.288-299, JULY 2011.

[35] LIU Qihui, YU Fang, ZHANG Jianhua, "Novel Modeling and Control of Doubly-Fed Variable-Speed Constant-Frequency Wind Power Generator," 33rd Annual Conference of the IEEE Industrial Electronics Society, pp.1621-1626, Nov. 5-8, 2007.

[36] LI Lan, CAO Tian-ming, "Power Control of Variable-Speed Constant-Frequency Doubly-Fed Wind Power Generator," International Symposium on Computer, Communication, Control and Automation, pp.122-125.2010.

[37] LAMCHICH MoulayTahar, LACHGUER Nora, "Direct Torque control based multi-level inverter and Artificial intelligence techniques of induction machine," pp.29-50.

[38] Leithead WE, de la Salle S, Reardon D, "Role and objectivesof control for wind turbines," IEE Proc C 138:135–148, 1991.

[39] Mansour Mohseni, Mohammad A.S.Masoum, Syed Islam," Robust Sensorless Decoupled P-Q Control of Doubly Fed Induction Generators for Wind Power Applications," pp.1-6.

[40] M. Godoy Simoes,Bimal K. Bose, Ronald I. Spiegel, "Fuzzy Logic Based Intelligent Control of a Variable Speed Cage Machine Wind Generation System," IEEE 1995

[41] M. Zellagui, "Variable Speed of The Wind Turbine Generator With DFIG Connected To Electric Grid," Revue des Energies Renouvelables, vol. 11, no.3, pp. 453 – 464, 2008.

[42] Mustafa Kayikci, Jovica V. Milanovic, "DFIG Modelling And the Relevance of Model Simplification," in International Conference on Electricity Distribution, session.4, June 2005.

[43] M.B.Mohamed, M.Jemli, M-Gossa, K. Jemli, "Doubly fed induction generator (DFIG) in wind turbine, Modeling and power flow control," IEEE International Conference on Industrial Technology, pp.580–584, 2004.

[44] Marcelo Silva, Cesar Silva and Sergio Diaz, "Rotor Flux Vector Control of DFIG without Currents Rotor Sensor," IEEE, pp. 881-887, 2009.

[45] Mohammad JafarZandzadeh, AbolfazlVahedi, "Direct Power Control of Grid and Rotor Side Converters in Doubly Fed Induction Generators Based Wind Turbine," 26th International Power System Conference 31 Oct- 02 Nov, 2011.

[46] Murali M. Baggu, Luke D. Watson, Jonathan W. Kimball, Badrul H. Chowdhury, "Direct Power Control of Doubly-Fed Generator Based Wind Turbine Converters to Improve Low Voltage Ride-Through during System Imbalance," pp.2121-2125, IEEE-2010.

[47]Muljadi E, Butterfield CP "Pitch-controlled variable speedwind turbine generation," IEEE Transactions on Industrial Applications, 37:240–246,2001.

[48] Orlando Manuel Soares, Henrique NunoGonçalves, AntónioPina Martins and Adriano Silva Carvalho, "Analysis and NN-Based Control of Doubly Fed Induction Generator in Wind Power Generation," International Conference on Renewable Energies and Power Quality (ICREPQ'09), April, 2009.

[49] RajibDatta and V. T. Ranganathan, "Direct Power Control of Grid-Connected Wound Rotor Induction Machine without Rotor Position Sensors,"IEEE Trans on Power Electronics, vol. 16, NO.3, pp.390-399, May. 2001

[50]Rajendiran K,Keerthipala WW, Nayar CV,"PSCAD/EMTDC based simulation of a wind-diesel conversion scheme," Proceedings of the IEEE Power Engineering Society wintermeeting, pp 505–510, 2000.

[51] Shuhui Li and Timothy A. Haskew, "Analysis of Decoupled d-q Vector Control in DFIG Back-to-Back PWM Converter," IEEE, pp.1-7, 2007.

[52] S. Müller, M. Deicke, &RikW.DeDoncker, "Doubly fed induction generator systems for Wind Turbines,"IEEE Industry Applications Magazine, pp.26-33, May/June 2002.

[53] Shuhui Li and Tim A. Haskew, "Energy Capture, Conversion, and Control Study of DFIG Wind Turbine under Weibull Wind Distribution,"IEEE 2009.

[54] S. Chondrogiannis, M. Barnes, "Stability Of Doubly-Fed Induction Generator Under Stator Voltage Orientated Vector Control," IET Renewable Power Generation, Vol. 2, No. 3, pp. 170–180,2008.

[55] Si Zhe Chen, Norbert C. Cheung,Ka Chung Wong, and Jie Wu "Integral Sliding-Mode Direct Torque Control of Doubly-Fed Induction Generators Under Unbalanced Grid Voltage," IEEE transactions on energy conversion, vol. 25, no. 2, june 2010.

[56] S.Z.Chen, N.C.Cheung, K.C.Wong, J.Wu, "Integral variable structure direct torque control of doubly fed induction generator," IET Renew. Power Gener., vol. 5, iss. 1, pp. 18–25. 2011.

[57]Steninbuch M, "Optimal multivariable control of a windturbine with variable speed," Wind Eng 11:153–163, 1987.

[58] Simoes MG, Bose BK, Spiegel RJ,"Fuzzy logic basedintelligent control of a variable speed cage machine wind generationsystem," IEEE Transactions on Power Electronics, 12:87–9,1997.

[59] T.Mesbahi, T. Ghennam, E.M.Berkouk, N.Mesbahi, "DPC For Wind Energy Conversion System And Active Filter," International Symposium on Environment Friendly Energies in Electrical Applications, pp.1-6, 2-4 November 2010.

[60]VivekAgarwal, Rakesh K. Aggarwal, PravinPatidar, and ChetanPatki, "A Novel Scheme for Rapid Tracking of Maximum Power Point in Wind Energy Generation Systems," IEEE Transactions On Energy Conversion, Vol. 25, No. 1, pp.228-236, March 2010.

[61] Yi Guo, John N. Jiang, and ChoonYik Tang, "Nonlinear Control of Wind Power Generation Systems," 2009 IEEE xplore.

[62] Z. Chen and E. Spooner, "Grid Power Quality with Variable Speed Wind Turbines," IEEE Transactions on Energy Conservation, vol.16, no.2, pp.148–154, June 2001.